

#### **PATENTS**

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:	)		
Goodson, et al.	)		•
·	)	Group Art Unit: 3743	
Serial No.: 10/053,859	)		
	)	<b>Docket No. S243 1020.1</b>	RECEIVED
Filed: January 19, 2002	)		TTD 4 4 3000
	)		FEB 1 4 2003
For: Electroosmotic Microchannel	)		TECHNOLOGY CENTER R3700
Cooling System			"IFOUNDED OF OWNER OF

## SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents Washington, D. C. 20231

Sir:

Applicant hereby voluntarily discloses the items listed on the attached Form PTO-1449 to the Assistant Commissioner for Patents. Copies of items A – AE are enclosed herewith.

Applicant further reserves the right to establish the patentability of the claimed invention over any of the listed information should they be applied as references, and/or to prove that some of the cited information may not be prior art, and/or to prove that some of the cited information may not be enabling for the teachings they purport to offer. This statement further should not be construed as a representation that an exhaustive search has been made, or that the information cited herewith is material, or that there does not exist information more material to the examination of the present Application. The Examiner is specifically requested not to rely solely on the information submitted herein. On the contrary, the Examiner is requested to conduct an independent and thorough review of the information, and to form independent opinions as to their significance.

It is respectfully requested that the Examiner initial and return copies of the enclosed PTO-1449 and to indicate in the official file wrapper of the above-identified patent application that each item of the cited information has been considered.

The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to account no. 09-0528.

2/3/03

Date

Respectfully submitted,

John J. Timar

Registration No. 32,497

WOMBLE CARLYLE SANDRIDGE & RICE

A Professional Limited Liability Company P.O. Box 7037 Atlanta, Georgia 30357-0037 404/872-7000

## **CERTIFICATE OF MAILING**

I hereby certify that this document is being deposited as First Class U.S. Mail in an envelope addressed to Assistant Commissioner for Patents, Box IDS, Washington, D.C. 20231 on

2/03/03

Signature

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INFORMATION DISCLOSURE CITATION						Applicant Zeng et al.					
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	A "Micro-heat exchangers". Weisberg, et al., American Society of Mechanical Engineers, Dynamic Systems and Control Division, DSC, 1990, v.19, p.159-17										
		В	"Manufacturing and testing of compact micro heat exchangers with high volumetric heat transfer coefficients", Bier, et al American Society of Mechanical Engineers, Dynamic Systems and Control Division, DSC, 1990, v19, p.189-197							,	
; //	C "Design and fabrication of a cross flow micro heat exchanger". Harris et al., Journal of Microelectromechanical Systems; Dec 2000; v.9. no.4, p.502-508										
		D "Two-phase electronic cooling using mini-channel and micro-channel heat sinks: Part I design criteria and heat diffusion constraints", Bowers. et al., Transactions of the ASME. Dec 1994, v.116. p.290-297									
	E "Active control of electroosmotic flow-in microchannels using light", Moorthy et al., Sensors and Actuators, B: Chemical; May 15, 2001; v.75, no.3, p.223-229							nsors			
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# INFORMATION DISCLOSURE CITATION

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Attorney Docket No.	Serial No.	
S243 1020.2	10/272,048	
Applicant		
Zeng et al.		
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\* EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

EXAMINER'S SIGNATURE:	DATE CONSIDERED: